stones and cutting hedgerows.

only 400 pounds of commercial fer-

bushel at the farm, however, which in part made up for the low yield.

The clover sown the previous year

f hay were taken from a two acre

piece, while the remainder of the new

seeding cut about a ton an acre.

Eight acres of oats, in which the usual

seeding of timothy was made, yielded

Buckwheat yielded 120 bushels of

was renovated and sprayed at a cost

of \$100, the owner's share of the gross

receipts of the enterprise amounted

o \$906. This included \$360 received

for apples from the orchard which he

net income was \$694.60, or 32.5 per

AN 800 ACRE APPLE ORCHARD.

Reported by CHARLES A. GREEN.

The sixty-first annual meeting of

the Western New York Horticultural

Society opened at Rochester, N. Y.

on the morning of January 26. This

veteran asociation, perhaps the oldest

promoted by some of the most notable

pomologists of the world. The ses

An interesting talk was given by J.

Ardrew Cohill, an extensive orchard-

ist of Maryland, who gave his practi-

cal experience in the management of the Tonoloway Orchard Company, em-

bracing 800 acres of bearing apple trees, which bore 27,000 barrels of marketable fruit the past season.

This big orchard is managed almost

as economically in all its branches as

a manufacturing business. Fruit

growers are coming to understand that

in orcharding as in everything else

economy of management is necessar;

in order to insure success. This doe

should be avoided. The best economy

often means large expenditures. There

of such a large orchard as this, whil

there are many others with greater

business capacity who make satisfac-

tory profits and dividends. This

the case with every human enterprise

Whether it will pay or not, whether

it will result in loss, depends upon the

management. There are few lines of

business in which the profits to b

secured are so large as to warrant ex-

In Maryland the San Jose scale is present. When the pickers are at

work gathering the fruit in August

September, October and November

every apple tree in which the scale observed has attached to it a con-

spicuous tag. The pickers are re-

perienced through this method in pro

tecting trees from serious injury by

being cheaper than in New York State

A careful estimate of expenses is

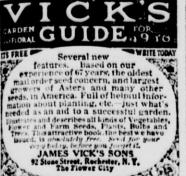
travagance or wasteful methods.

men who might make a failure

sions were of marked interest.

cent. on his investment.

SEASONABLE SUGGESTIONS FOR THE GARDENER



DOUBLE YOUR VEGETABLE

GARDEN YIELD Efficiency Vegetable Garden its use you can raise \$40 worth of bles on a plot 25 ft. square. A prac-





my selection), \$1.90.

higher priced (my selection), hose who want very large builts send a good sound, plump bulbs, with send for Catalog. MRS. H. A. TATE, Old Fort, N. C.

> DWARF PEAR TREES DWARF PLUM TREES DWARF CHERRY TREES DWARF PEACH TREES

Catalogue Free The Van Dusen Nurserles, W. L. McKAY, Prop.

Fitzgerald's Nursery,

. COISSARD, the Wonderful dahlia, beautiful combina-olors. Long, stout stems, loomer. One bulb 50 cts. SPECIAL NEW YORK SUN OFFER: the N. Y. Sun. Order Now.

Flower Seed Free sque we send out we include a ous Pansy Mixture, that pro-the largest size, of strong sub-Our Catalogue, which is the hat we have ever issued, offer-best in flower and garden seed, hardy shrubs and vines at The Most Interesting Seed and Plant Cata-age issued. Send a Postal for it to-day. MELS SEED CO., Box C., Washington, Ia.

Gorgeous Garden Gladioli

JOE COLEMAN, Grewer, Lexington, C.

DO YOU LOVE FLOWERS? WHO APPRECIATE QUAL-

Gladiolus Specialist,

State College of Agriculple control of various commodities has galore.

A bed across the front of the house on the farm and a rather poor barn.

A tenant was engaged to live in the

real knowledge of the broader questions have made it impossible for those bed, which was at the south of the issue. Because of lack of who provide the raw products to any house, was given a tropical effect, by in the application of sale further take the risk. The raising of filled with palms and rubber plants cattle in the Middle West is no longer with an assortment of various return he was to receive one-half a business with the farmer; it is a plants, such as cupheas, heliotrope, the oats, buckwheat and potato

marks the development of an informa-tional service in regard to the market and distribution of farm products sim- was made up of plants that had been ilar in its method and scope to the weather and crop service. Added to winter. Finally a greenhouse 50 feet this farmers and gardeners should be long and 18 feet wide was placed on permitted to distribute their produce the rear garden lot that had been deby 1 reel post, subject to inspection either State or national inspectors, where they are produced, without any additional red tape or frills of law makers, who know as little about this particular subject as they do of the composition of the moon.

MAKE BACK YARDS PRODUC. regular business in town. TIVE.

There are many back yards, some of which may be kept in order but are unproductive, where nothing but grass or possibly a few shrubs are grown. There are others filled with rubbish, piles of ashes and junk that might be cleaned up and cultivated. This may be done by a few spare moments given to the garden every day or two. which thereby could be made beautiful, producing flowers and fresh vegeof the ground until the ground freezes up again next autumn. The owners would not only save money by pro ducing their own vegetables but would obtain vegetables and fruits far superior to any that can be bought at the market. Fresh radishes, lettuce, onions, peas, corn, strawberries, raspberries and blackberries fresh from the garden served shortly after they are gathered have a flavor that market. stuff never equals. Some will say "Our plot is too small."

A space ten feet square will produce a quantity that will surprise most people if a record is kept of the har-

spread over it stable manure to a depth of a foot, if this quantity can be secured. If not use as much as possible. With a spade or garden fork turn the manure under, sinking the spade as deeply as possible in the earth to loosen up the soil. Break up the lumps of earth by striking with the spade of fork, and when this operation is completed rake off the stones and pulverize the surface soil as finely as possible with the rake.

If stable manure is not to be had spade up the ground without it. Sow the seeds at the proper time and when the seedlings appear use prepared sheep or stable manure sold in bags by seedsmen or florists. This is concentrated and must be used with caution. It can be sprinkled around the plants and raked into the soil. Applitations can be given from time to time to encourage the growth of the plants. Directions will be given in other articles as to what to sow, when. SEEDS REQUIRED FOR 100 FEET and how to cultivate and mature the

To give an idea of what can be do: on a small plot a city lot, 50x150 fee produced more than a family of fiv could use, including eight varieties of grapes, two varieties of plums, cherrie and pears and peaches, currants, goose and pears and peaches, currants, goose-berries of this fruit that will bear to some of the plants will bear to the high and continue to until frost. They always bear triest year. The very thing for window or greenhouse or to in protected places in your m. Price, single plants by mail, three for \$1, with full cultural thoss. cut down the last late dahlias and cos mos, and there was still room v many more plants might have bee

planted.

The grape vines extended along the fence on the north the full 150 feet. The rhubarb plants and asparagus bed occupied permanent the east and west borders. Six Columbian raspborry plants supplied enough fruit for table use, canning and some to spare for neighbors. Gooseberries formed a border along one of the vegetable beds. Onion sets were planted early and at different times for a succession, also radishes, lettuce and spinach. There were a few permanent plants of mint for sauce and parsley for garnishing. Tomato plants later APANESE ROSE BUSHES occupied the space where the spinach Five for 10cts. was first planted. The corn took up radishes, lettuce and the tulip and hyhe Wonder of the World

so Bushes with roses on them
so weeks from the time the seed
planted. It may not seem
shile, but we Guarantee it
beds. Spirmea ulmaria or meadow sweet BLOOM in a half shaded corner. Several variethe most of available space. in a half shaded corner. Several varieties were grown from the low growing testing and when 3 years old will have 5 or 6 hundred roses of each bush. Will grow in the house in the winter as well as in summer. Roses All the Year white or years the winter as well as in summer. Roses All the Year was received by the county. New York, was bought for gaintie growing 5 to 6 feet tail. There was received by the crimson, red in summer, Roses All the Year was received by the crimson, red in the year was received by the crimson red in the year was received by the crimson red in the year was received by the crimson red in the year was red with our guarantees. only I on Cents. Japan Seed Co., South Norwalk, Conn. and pink. So many other perennials vestment. were cultivated that these will be de-

Grow Ground Almonds The land had been cropped with hay and deliver a barrel of apples, labor



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PHLOX12 PLANTS
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SATISFACTION GUARANTEED. My catalog describes 170 varieties of hardy slants. It's FREE. Send for your copy note. W. E. KING, Box 320, Little Silver, N.J.

can Scientific Congress at body of producers or consumers.

least interested in either the great the place. Some years it was filled under the owner's direction. Under "In the handling of grain, meats with cannas, with a banana plant, the terms of the agreement the owner anable."

a canna or two, begonias of various sorts, coleus, crotons, syperus, coming a gamble and the aim of dracenas, farfugium, hybiscus and legislation seems to be to make it pandanus. This bade fair to be a piece of crazy patchwork, but it made a very Dean Galloway suggested in his rekept in a window garden the previous

> No one may wish to devote so much space or effort to their garden, but it shows what can be done in a small space. This garden too was cared pleasure and exercise it afforded without permitting it to interfere with his





CLUMSY APPEARANCE TAP THE POT ON THE BENCH THEN LIFT IT UPCAREFULLY LEAVING BALL OF SOIL IN THE HAND



OF ROW.

Beans.	bu	12	h	1	ot			p	0						v			ĸ.			į.		1
Brussel	8		pi	0	u	t	8		173											Ŷ.	2	1	-3
Cabbag	e											,							'n.			1	-3
Carrot																						ě.	1
Caulifio	IN C	r																				1	- 3
Celery																						1	-3
Corn. f																							
Cucuml	er																						1
Lettuce																							1
Musk :	me	10	11								04												14
Water	me	te	T	١.																,			1
Onion																	٠						_1
Parsley																						*	14
Parsnip	١.																						12
Peas .																						1	1,
Radish																							1
Salsify																							1
Spinnel	1 .																						1
Turnip																							14

DISTANCE APART TO PLANT.

The first row of figures are the distances apart to plant in the rows. The not mean that large expenditures plots. The trees were extended along second are the distances apart to have

the rows:	
Beans, bush	3 to 4 f
Beans, pole 3 ft.	4 ft.
Beet 4 in.	12 ft.
Brussels sprouts fi	2 ft.
Cabbage	20 in.
Carrot in.	18 m.
Cauliflower	30 in.
Celery 6 in.	S ft.
Corn 3 ft.	4 ft.
Cucumber ft.	4 ft
Lettuce	18 in.
Musk melon 4 ft.	5 ft.
Water melon \$ ft.	8 f
Onion	1 ft.
Parsley 4 in.	18 in.
Parsnip 6 in.	18 in.
Peas 2 in.	3 ft.
Radish 2 in.	1 ft.
Salsify 6 in	18 in.
Spinach in.	1 ft.
Turnip	1 ft.
These distances are best	for the
amateur gardener wishing t	o mak
the most of available space	

A "worn out" farm in Broome, scale is present. All these tagged county, New York, was bought for trees showing the scale is present are \$16.32 an acre, and in two years was thoroughly sprayed. Those not tagged made to pay 32 per cent, on the in- are not sprayed. No difficulty is ex-

This place was bought by a farmer scribed in later articles gadioli and who was already farming at a profit scale. in the valley below. It consisted of ninety-five acres of gently rolling land. kept. It costs 36 cents to pick, pack and buckwheat for years, and little or

cost 40 cents each. Then they began avoided, will be greatly increased.

1,000 barrels each day. The cost of growing apples is slight. A bushel first function of the Govern-n its relation to the markst uncontrolled concentration has develof apples can be produced perhaps at of this three mile distance. tatoes. The greatest expense is in picking, packing, cost of the barrel, AMNUAL ROSE SHOW AT PORTdrawing to the railroad, and expenses ble own teams and all of the labor. In connected with the sale, which according to the figures stated can all be done at a cost of 36 cents when raised and the income from the four ows which he was permitted to keep. in this orchard. It was provided, however, that he was

to feed all the hay and roughage on straw. &c., to the land. He was also do all the improvement work for The new owner took possession on not wanted, it being found that April 1. The cropping system adopted farmers' boys, boys from the country. a makeshift owing to the lack of time effective and the quickest in gathering for putting a definite plan for imthe barrel, as is customary in many Four acres of potatoes were planted. other districts, but are paid by the The seed happened to be poor and, day and are allowed to take their

money whenever they want it. stand of clover was obtained in the they soon get infested with insects. same field.

The next year about nine acres of sod land were ploughed and put into potatoes. The tenant left some of the seed potatoes exposed for several days, and as a result a very uneven stand was secured. Three plantings were

was secured. Three plantings were made. The first, from freshly cut seed, gave an even stand and yielded 150 bushels to the acre. The next and largest planting made a very poor stand, yielding only 50 bushels to the men every day and criticise the menu men every day and criticise the menu acre, while the last was good and yielded 150 bushels to the acre. From and the cooking as I would at a restaurant or hotel. If anything goes whole field \$16 bushels were dug. wrong I know it and correct it. an average of about 90 bushels an

"As regards pruning, if we prune early we get numerous sucker growth.' He surprised the members by stating that in his orchard they pruned made a good showing. Over four tons from June 15 to August 15, considering those the best dates for the best results, securing but little sucker growth. Most orchardists prune during the dormant season of the winter months, which would be considered erroneous by this orchardist.

186 bushels of grain. Lime and acid hosphate had been put on this field. I assume that the apples are placed in empty bushel boxes as fast as grain on 51/2 acres. Thirteen head of picked. Pouring apples upon the pasture. An old orchard of about two must be picked up again. If placed acres, which the owner had reserved, in boxes the boxes may be readily sorting house. Other orchardists pour the apples as picked upon tables in though a number of fairly expensive improvements had been made, includthe orchard and sort and barrel them there, but wet weather is an argument the repair of the barn at a cost against this plan. The wagons for It will be edited by Martin King, Jr.

you invest?

miles. The cost of ordinary barrels was transporting apples in the orchard and 25 cents each, but these were of poor on the highway should have large quality; knotty and rough; therefore wheels. If even the front wheels are barrels were demanded, which small the folling, which is to be

to make their own barrels, buying Many girls are employed by this orstaves and hoops ready made, and chardist, some of them working only found the cost to be 29 cents each. An- one-half of each day. They are more other advantage of making the barrels handy than men in sorting the fruit was that they were on hand when and in facing the barrels. They often wanted, which was not always the assist in making barrels. While case when depending upon the fac-tory.

The pick and pack is from 500 to are the cheaper method of hauling ap-The teamsters make four trips a day

Portland, Ora., will celebrate two important events in June-the tenth It may be assumed that a large annual rose festival and the national number of pickers are necessary to dedication of the Columbia River gather the fruit of an 800 acre apple orchard. No tramps are employed, since they cannot be relied upon and years Portland rosarians have been which he had time, such as picking up are not desirable characters to have giving attention to the growing of around the premises. City men are rose flowers. In 1907 the first festival was held. During the last nine are the most experienced and the most years the event has grown in imdemonstrations of community spirit in

only 400 pounds of Commercial of the composition of the camp. I call it a camp because and acid phosphate were applied to one eight acre tract, and from this containing four men, and each tent containing four men, and each ten creased until florists estimate Portland of bushes in the parks and lawns of

The largest single rose garden in the world is located at Peninsula Park, fifteen minutes ride by street car from the business district of the city. Dur-ing the rose festival, June 7, 8 and 9, more than 1,000,000 roses, covering 14,000 bushes and 700 varieties, will be in bloom at one time.

Two blocks in the heart of the city are given over to the floral centre. Great beds of bloom are formed by the use of roses and other flowers. This year the central feature will be a rose fountain, where more than 15,-000 Dorothy Perkins roses will be used to form the picture.

The national dedication of the Columbia River highway will take place June 7, the opening day of the festival. The ceremonies will take place at Multnomah Falls, second highest in the United States. This highway makes the gorge of the Columbia River passable for automobiles for the first time and opens up miles of picturesque scenery. The first forty miles of the new road cost \$2,000,000.

Washington's Birthday is annual rose planting day in Portland. This year hundreds of new bushes were set ready for this year's crop of flowers when it is expected there will be thousands of visitors in Portland.

ville, N. Y., have started a quarterly

10 Best Varieties, \$1 any time. First size. 81 postpaid: 1-year-old Planta, 81. 8 by express.

Elliarrey (sian).

Elliarrey (sian).

Franca Polits (originos). White Hanna Coshe's Yellow Hanna Coshe.

Juliow Hanna Coshet.

J. L. Moon (pith).

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Thousand Beautics (climbing), pink and white All hardy and, except Gen., Jack und Thousand Beautics, very-blooming. Order as the "Best Collection.". Will also send a copy of "Our New Oulde to Rose Culture," Free.

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PRINCE EDWARD ISLAND A. C. Macdonald,

Lieutenant-Governor P. E. L., Writes:



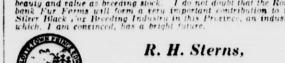
J. A. Matheson, Premier and Attorney-General of

the Province of Prince Edward Island, Saus: Experience has demonstrated that the foundation stock of attice Prince Edward Island Silver Black Forces, ranch-bood for quarter of a century past, has no equal in our value or in fertility, rom these strains you have made your selection with commends.



Murdock McKinnon, Commissioner of Agriculture.

His Opinion: Charlottetown, P. E. 1.





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A delicious nut of the almond or cocoanut flavor. On the fertilizing mater by careful management this expense was reduced to 26 cents a barrel, and the soil was in very poor physical continuous risks in the soil was in very poor physical continuous risks in the soil was in very poor physical continuous risks in the soil was in very poor physical continuous risks reduced to 26 cents a barrel, and the apples had to be hauled three was reduced to 26 cents a barrel, and the soil was in very poor physical continuous risks reduced to 26 cents a barrel, and the soil was in very poor physical continuous risks reduced to 26 cents a barrel, and the soil was reduced to 26 cents

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